

A.A. MARKS' 13

PATENT

ARTIFICIAL LIMBS,

WITH

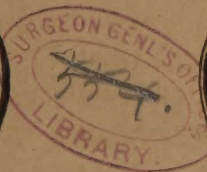
INDIA RUBBER HANDS AND FEET.

CENTRAL OFFICE AND MANUFACTORY,

No. 575 BROADWAY,

NEW YORK CITY,

DIRECTLY OPPOSITE THE METROPOLITAN HOTEL.



COMMISSIONED

**BY THE SURGEON-GENERAL OF THE UNITED STATES ARMY, TO
FURNISH ARTIFICIAL LIMBS TO SOLDIERS, FREE OF
CHARGE, IN ACCORDANCE WITH THE RECOM-
MENDATIONS OF A BOARD OF
MEDICAL OFFICERS.**

New York:

WILLIAM B. SMYTH, JOB AND CARD PRINTER, 4 NEW CHAMBERS STREET.

1867.

Annex

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1867

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W E I G H T .

Much is said by the manufacturers of the complicated styles of Artificial Legs about the Rubber Feet being heavier than the wooden ones, and thereupon they try to make a great ado about it.

The FACTS are these : The Rubber Feet are of themselves a trifle heavier than some kinds of the wooden feet ; but, bear in mind that the Rubber Feet require NO IRON HINGES, BOLTS, CORDS, GLASS BALLS, SCREWS, or *any* of the paraphernalia whatever used in the ankle-jointed trappings, in hitching their wooden feet to their legs. This machinery adds weight, as *all* must know.

In many cases where I have removed their wooden feet, and applied my Patent Rubber ones in their places, I have found, by weighing before and after, that the weight of the limb was reduced from *one* to *six* ounces by the change.

My Patent Artificial Legs, with the India Rubber Feet, weigh from three to six pounds each, depending upon the weight and occupation of the persons who are to wear them, and the Artificial Legs of my Patent average to be some lighter and MUCH stronger than those made as above stated, with their *superfluous appendages*.

ANOTHER VICTORY !

FIRST PREMIUM AGAIN!!!

THE Thirty-seventh Annual Fair of the American Institute closed Oct. 26th, 1867, at which time the announcement of the Prizes were publicly made by the Chairman of the Board of Managers from the speakers stand in the center of the main Hall.

Before reading the list and as introductory thereto, in connection with the awards, the following DECLARATION was made which accords with the present By-Laws of the Institute.

“The Board of Managers have *determined to elevate* the standard of excellence in articles on exhibition by declining to give the **FIRST PREMIUM** to any article, unless it was pronounced by competent judges, of **GREAT UTILITY**, and equal or **SUPERIOR** to any like article known to them, **WHETHER ON EXHIBITION OR NOT!!!**”

Thus it is plainly seen that the Judges were *required* to cover the whole field of their knowledge in their investigations, and in selecting gentlemen of such high standing, and vast experience as Judges, makes the award pre-eminently the most important ever rendered in this branch of invention.

(The following report of the Judges speaks for itself.)

No. 238. Marks' Patent Artificial Limbs, have frequently been before the Institute, and continue to sustain their former reputation.

Professor A. K. GARDINER,

“ J. C. V. SMITH,

J. J. CRAVEN, M. D., Judges.

The First Premium was consequently awarded, thereby indorsing and confirming the action of the eminent Judges at the last Institute Fair, “1865” and at the same time agreeing with the vast numbers who have **Sought, Found, Tried, and Proved** by **Stern** experience, the great superiority of these Artificial Limbs.

E.

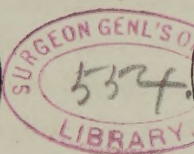
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TO ALL
WHOM IT MAY CONCERN :

MY views of the requirements of an Artificial Leg are: First, *ease* and *comfort* in walking Second, a natural motion, lightness, elasticity and stillness, combined with a graceful step. Third, reliance, stability, firmness and durability.

In all these respects I claim that my Artificial Legs, with my patented India Rubber Foot, are pre-eminent.

The leg is, in the first place, made to fit the stump so perfectly as to give the greatest ease and comfort to the wearer, while it operates with perfect freedom, firmness and elasticity. Thus all of these indispensable objects are attained, without that complicated mass of machinery resorted to in other Artificial Legs. In fact, there is no machinery whatever (that is, what is usually called machinery). This fact makes the leg unequalled in point of durability by any similar invention yet presented to the public.

In giving a description of my legs it does not require a mass of words, nor a complicated description of them to make the most ordinary mind realize and appreciate their intrinsic value, and the process by which I was led to adopt and develop my late inventions. Their

various and many advantages over all others now in use, will be apparent when the following facts are fully weighed.

It has been well understood among all inventors and manufacturers of Artificial Legs, that there was *something* required to improve the foot and ankle, and give more universal and less direct motion. This was needed to obviate that jerking, clapping, snapping and rattling noise, and unnatural and exceedingly unpleasant sound, both to wearers and others, so frequently heard, and by which Artificial Leg wearers might be heard and observed from other persons at some distance in the street or moving about the house. Some have sought the removal of this difficulty in one way, and some others, but most inventors have, in trying to avoid the difficulty, but added to it. By multiplying machinery of various kinds, although aiming to get rid of *worse than* useless motions, they have added complication to complication, by their many cords and springs which have a tendency to please the unexperienced while the limb is new and unused, but invariably *displeases* them soon as a little wear brings the machinery to a test, and not only warns the wearer of the instability of his substitute by its many unreliable and *uncontrolable* gyrations, and unpleasant sounds, but annoys and startles his neighbor as he passes his quiet door, and alarms the congregation when he enters the house of Public Worship, the inventor not stopping to think that every additional cord, spring, joint, or contrivance but increases the difficulties, adds to the already enormous complications, weakens the

limb, and renders the invention liable to greater objections, without accomplishing any advantages whatever.

In these statements I firmly believe I express the views of a large number of inventors. At all events, I *know* I give my own experience, having been engaged in this calling of giving relief to mutilated sufferers for the last fifteen years, and having been also employed most of my life in mechanical constructions of a nature preparing me more fully to realize the necessities of a good Artificial Limb. I feel, therefore, that my labor has been well bestowed in thus being able to give to the unfortunate an Artificial Limb accomplishing every required movement and all the essentials to make the most life-like, light, easy and durable leg ever given to the public, while, at the same time it is free from *all* cumbersome machinery. It is the *ne plus ultra* of Artificial Limbs now in use, as all impartial examiners have declared.

The India Rubber Foot is the base of the whole structure, and although it is elastic, springy and light, it is also the most *reliable, firm* and *substantial* foundation that ever a poor limbless person stood or walked upon. This I assert without fear of successful contradiction.

When I first invented and applied my Rubber Foot to the Artificial Leg, I did not think it would be suitable for the delicate and weak of the female sex. It was intended more especially for the hard-working mechanics, the farmer, and the male sex generally, whose lives demand toil, energy and constant exertion. But in this I

was most agreeably disappointed. To my own surprise and gratification, I soon found it was equally well adapted to their wants as to any others'. Nay, more, it was just the thing for the most tender, delicate and fastidious lady in the land; and their joy and gratitude in its use, in being able to perform their many and various duties with facility, ease and symmetry of motion, without noise or unpleasant observation, has been expressed to me in a great number of instances—a sentiment always invaluable to the reliever of human sufferings, and no small reward of the anxious care and toil of a public servant.

With regard to the improvements derived from my invention, I refer to the statements of both ladies and gentlemen in another part of this work. Their testimony is from actual experience, and needs no comment.

A word to those who have used and are now wearing the old kinds, with the movable, clattering ankle joints: Is not your step in your parlors at times taken for a squeaky, broken-down chair, or a rat or a mouse in some intruding corner of the building? Are you not, while walking in the street, sometimes taken for a wheelbarrow crying for grease, and does not your step resemble the clatter of an old shoe with the sole loose and too large for the foot? Is it not a gain to get rid of those annoying appendages and to be relieved of the great expense and trouble necessarily attending them?

My patent Rubber Foot most assuredly obviates all these difficulties. I have applied them to a great number of other makers' legs beside my own, many where

the leg was new, and more where they were sound, except where the springs or cords were worn out or broken, and have succeeded in making the old leg as good, and in fact much better in many cases than a new one of that kind.

I would not state, nor have it inferred from what has been here said, that my leg will last always, under all kinds of rough usage, but this I do say, that it will outlast two of any other kind now in use (that are fit to use), and that when it does need repairs—and what thing earthly will last always—it will cost less and be always less troublesome than any other Artificial Limbs I know of. Its simple mode of construction is conclusive to every one, that one of its important and valuable features is its non liability of requiring repairs, and its ease of access when repair is needed, thus rendering the expense and trouble comparatively trifling.

For the arms and hands I do not claim that amount of usefulness that is demanded for the legs and feet. They are, however, simple in construction, and in my judgment as useful as any artificial hand can be made; and where amputation has taken place below the elbow, and the person using it is required to labor, the hand is readily removed, and a hook put in its place, while its replacement, when needed, is as easily effected. You will find a very correct description of my inventions, with suitable cuts illustrating these limbs, in this work, which have been published in the *Scientific American*, a copy of which is herewith published in this pamphlet:—

ARTIFICIAL LIMBS.

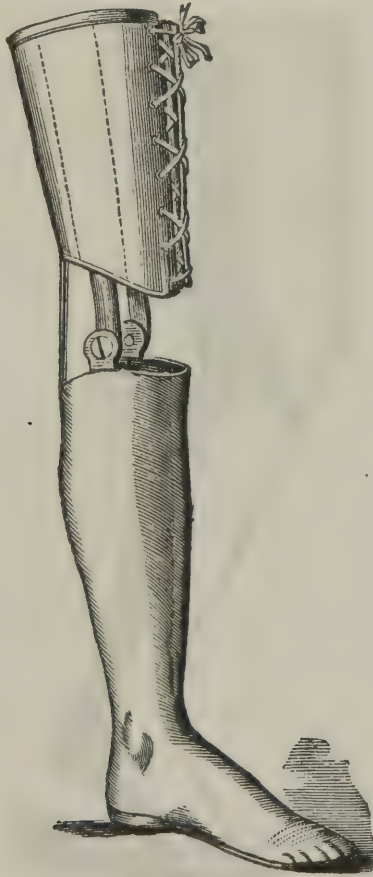
The engravings published herewith represent Artificial Limbs which have novel features not heretofore obtained in them. India rubber is largely used in their construction, the feet and hands particularly being constructed of this substance.

Fig. 1

No. 1 presents a full-length leg standing erect, to be

applied in all cases where amputation occurs above the knee joint.

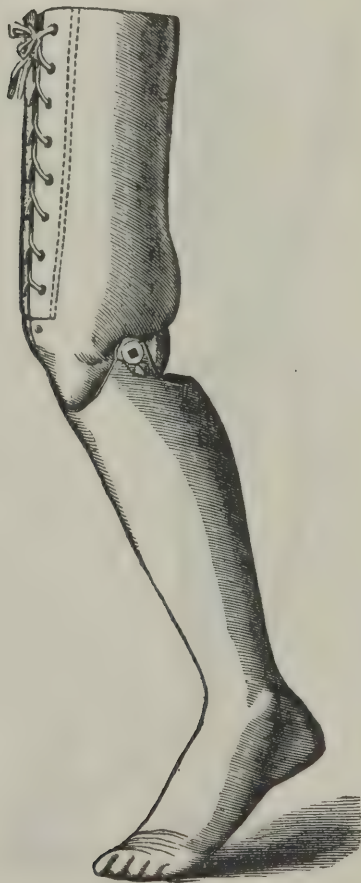
Fig. 2



No. 2 represents a leg to be applied where the leg has been amputated below the knee joint, and the stump is flexible enough and sufficiently long to enable the wearer to use it in walking. It also represents the leg

with the heel compressed, and in its position after taking the step, and when firmly planted on the ground.

Fig. 3



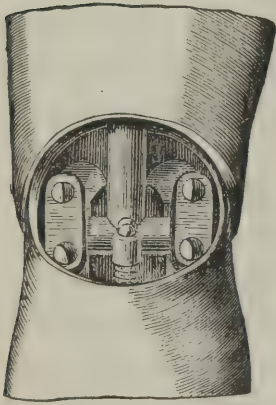
No. 3 is termed a knee bearing leg. It is to be applied where amputation takes place below the knee, and where the stump is too short or contracted at right angles,

so the knee joint cannot be used in walking. This figure represents the leg slightly bent at the knee, and bearing well upon the toe, as in the act of lifting it to take the next advance step.



Fig. 4.

Fig. 5.



No. 4 is a view of the India-rubber foot before being applied to the leg. This rubber foot constitutes the main feature in the legs shown in the figures. It is made mostly of India-rubber of a very spongy, light and elastic character. A piece of willow wood, nearly filling the rubber heel at the top, or surface, where the leg rests, runs down about one-fourth of the distance towards the lower part of the heel; also forward and

downwards to the joint at the ball of the foot, as shown by the dotted line. This piece of wood is the base upon which the foot is built, and is also the medium whereby the foot is joined firmly to the leg. The leg itself is made of light, tough willow in all cases, except the thigh piece shown in figure 2, and the front part of the thigh piece in figure 3, which are both made of leather. The entire leg and foot in all cases is covered

with fine buckskin, neatly coated with a life-like, water-proof finish, making it both light and strong. It will be seen that there are no movable ankle-joints in these limbs, the necessity for which being entirely obviated by the Elastic Rubber Foot, which gives all the motion required in walking, and also the ease, firmness, elasticity, and reliance, absolutely necessary in a perfect Artificial Leg.

It would seem at first sight that no one could walk well on any Artificial Leg, without the moving, flapping ankle-joint, but practice proves this to be erroneous.

The Rubber Foot also gives all the required lateral motion to the foot when stepping upon sidling or uneven ground. This leg dispenses with all machinery of whatever character, and has been in use for the last two years, giving great satisfaction.

Figure 5 gives a rear view of the knee joint of the long leg (Figure 1). The T joint is fastened to the upper part or thigh piece of the leg, and the gudgeons of the T are held in adjustable, oblique boxes, which are easily set at any time by the screws passing through the caps into the main leg, so as to keep the joint to work tight and still, yet free and perfectly flexible, the small projecting bar attached to the T with the button-shaped ball operating upon the spiral spring, so as to throw the foot forward when bent in walking, and so as to hold the foot under when bent at right angles in a sitting position. This feature has been secured by a separate patent, dated March 7, 1865.

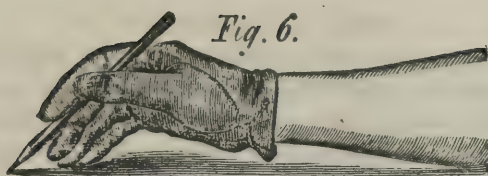


Figure 6 shows a Rubber Hand, made same as the foot, of which there cannot be as much said as of the other inventions. It corresponds, however, with the others in its characteristic features of simplicity and durability, and wholly dispenses with machinery, giving a softness to the feeling and an elasticity which is very desirable. It is as useful as any hand yet invented, which is not probably saying much in its favor, as no art yet shown, if it ever will, can compare with "nature's handiwork." A patent for this hand has also been obtained, as in fact have all of them, through the Scientific American Patent Agency. These inventions have caused a great change for the better in the appearances, as well as usefulness to those who have lost natural limbs, and must give great relief to the maimed. These inventions, in dispensing with so much machinery, reduce the expenses of repairs very greatly, as there is no complicated gearing to get so often out of order. You see no part of the cuts representing the inside working of the leg, because there is none there to be exhibited, except the lower part of the knee spring, operating as described in Figure 5. The limbs are, of course, hollow in all cases, to render them light, as well as adaptable to covering and supporting the stumps they enclose and sustain.—*Scientific American*, April 15, 1865.

AMPUTATIONS.

Some Surgeons will perhaps think it rather preposterous in me to offer any suggestions in regard to the most suitable points for amputation, on the ground that such emergencies necessarily depend upon the circumstances of the case, and they amputate just where they are compelled to, by leaving the stump as long as they can with safety to the Patient and operation, always considering that the longer the stump, the better for the patient, this is generally the true rule to work by, as a long stump is generally preferable to a short one, but they can be too long as well as too short for the benefit of the patient. My experience of fourteen years in making and applying Artificial Limbs to every form of amputation ever performed in this country, leads me to prefer the Flap operation generally, and in thigh amputations save all the bone possible, after getting clear from the knee joint, and room for a good flap. In amputations below the knee joint, no leg should ever be amputated lower than three inches above the ankle joint, (for a medium sized adult person) and above that point save all that is possible consistent with the case. In cases where a toe or toes are required to be removed, it is undoubtedly best to amputate at the toe joints, or, if necessary, perform what is termed Choparts amputation, but in no cases, from all the experience I have had in adjusting and witnessed in wearing Artificial Limbs, would I consent to any amputation above this point, save above the ankle joint at the point mentioned above. One very important objection to unjointing or amputation about the joints, *either ankle or knee*, is, they are always a very long time in healing, and very frequently never heal at all, and if they do they are extremely tender, and a little irritation often causes abscesses and the suffering and trouble attending these afflictions, another objection is, it makes the Artificial Leg cumbersome and large at the joints, with all the inconveniences that must accompany these operations.

These reasons will apply with equal force to arms

except in cases of amputation of the hand, where the wrist joint can be saved, then save all that possibly can be saved below it, as every inch in length or movable part in that important member is of such great value, and every Artificial *Hand* is of so little value that no reasonable comparison can be made between them, and every humane and considerate Surgeon should never fail to preserve all he can of the hand.

CHILDREN

and young persons who lose their limbs before obtaining their growth, are generally prevented by the advice of their surgeons or physicians, from having Artificial substitutes applied, on the ground that they will out grow them. This appears at first sight to be a very good reason, but upon giving the subject a little reflection, it will be readily seen, that although the chances are that they are likely in most cases to out grow them, (this article applies more especially to Legs,) before they are worn out. It is not very well known that they can be lengthened at times, as required, at small expense, and perhaps it is well to here give this bit of valuable information to those interested in such cases, that *these* Limbs possess a very important advantage over all others in this respect, on account of their being free from the internal complications of cords and springs, which generally have composed Artificial Limbs, thus saving the largest part of the expense usually attending the operation of lengthening the Limb to keep up with the growth of the Patient.

The most important point to be taken into consideration in this matter is, how shall we most benefit the tender sprig of childhood and youth, who meet with these great losses, whether by compelling them to use crutches and grow up round shouldered, hump backed, one sided, or otherwise deformed in some way, as in nine cases out of ten they are from the effects of using crutches, *especially for any length of time*, or to at once apply a substitute, and pay proper attention to the use of it, and thereby keep them in natural form, and also avoid the

very unpleasant sight of crutches to the eye of the parent and public, and the mortifying effect, (to say nothing of the great inconvenience,) to the patient. Another very important fact should be taken into consideration, which is, that children growing up without a substitute or limb, to exercise their stump, often lose the use of them, either by their becoming contracted or weak for want of use, it is frequently the case that they lose the use of their joints, and can never wear a Limb at all, by going without for years, while obtaining their growth, but where the limb is applied at a proper time, and they grow up with it, they never seem to realise their loss, and invariably make the best and most skilful operators in the world. No child that loses a leg at four years of age or upwards, should be allowed to go without a substitute for a single month after the stump is healed, and recovery from the shock of amputation been effected.

Some are without means to secure limbs, and others will say they cannot afford it—then call upon your friends for assistance, or dispense with some of the superfluous ornaments of dress, or do **SOME** way to provide for the *necessity* of your unfortunate child or friend to avoid its growing up in your sight a constant spectacle of regret, and sorrow to yourself, and thereby remove an almost certain barrier to its proper place in society, and its lasting welfare in mature years.

Having applied Artificial Limbs to children as young as three years, and many at the age of five to ten years and upwards, and always with the best of success, (unless where they had been too long upon the crutches,) thus obtaining a knowledge not to be mistaken in. To those who have cases under their care of the nature here mentioned, due consideration to these statements is asked, and although differing as it does from the advice generally given by the Physician, (*it is believed without due reflection*). Weigh well the fact, and your conclusions will unquestionably be right, and your duties plain to those entrusted to your tender care and affection.

GOLD MEDAL.

Although an inventor and manufacturer of Artificial Limbs for several years, and also an exhibitor at many of the Fairs of the American Institute and other exhibitions of Art, and having received awards of high merits from them before and as late as 1859, a Large Silver Medal from the American Institute, (the last fair held by that Institution until 1865). It is proper to state that those limbs were not of the Improved Patent which I now make. This is the first time (1865) that my Limbs with the Patent India Rubber Hands and Feet, and other Patented improvements were placed on exhibition in competition for a Premium.

A Gold Medal was offered by the Board of Managers as the award for the BEST Artificial Limbs. This great inducement, as a matter of course, brought out a very lively competition, and many cases of Artificial Limbs appeared in the Fair, and several exhibitions in walking on Artificial Limbs took place during the Fair, to the no small amusement of the large concourse of people that gathered there upon the announcement appearing in the papers, that such a novel affair as a *Cripple Race*, as it was so called, was to take place. Every one has probably seen some of the many accounts of it that appeared in the public Prints at the time, some of which are here published, relative to the fair as well as the race.

The following is cut from the *New York Times* :

We examined MARKS' artificial limbs, and saw some examples of their use that were interesting and satisfactory. These limbs consist of the simplest possible conditions. The ankle is firmly attached, and depends on the elasticity of the india rubber foot, for the required facility in walking. The elegance, naturalness and efficiency of these artificial limbs make them almost perfect.

From the New York Herald, October 16, 1865 :

AMERICAN INSTITUTE FAIR.—The cripple race, which created so much interest on Saturday last, will be repeated to-day. The manufacturers of other artificial legs will compete with Mr. Marks for the laurels he gained on that day. Dodworth's full band will be present.

From the New York Tribune, October 16, 1865 :

AMERICAN INSTITUTE FAIR.—PRACTICAL TEST OF ARTIFICIAL LEGS.—The practical test of the merits of artificial legs on exhibition at the American Institute Fair, on Saturday evening, was both novel and attractive. It consisted of a walking match along the centre aisle of the Fair building. Three gentlemen entered the list, and gave a specimen of their facility in walking on these substitutes for natural legs. The first contestant, Mr. Bates, was a tall, heavy man, over six feet high and weighing over 200 pounds. He wore a pair of artificial legs he had used less than three weeks, and therefore walked somewhat unsteadily. The second competitor, Mr. Auzburger, followed, wearing but one artificial leg. He walked a fourth of a mile without a cane in four minutes with apparent ease, and was warmly applauded. Mr. Frank Stewart closed the performance, wearing two artificial legs, applied just below the knee. He walked a half mile in nine minutes without a

cane, with so much spirit, ease and naturalness, that he was frequently obstructed and taken hold of by persons who could not believe that he wore two artificial legs, and he was finally obliged to take the large stand and exhibit the legs and feet to the audience, when he was loudly applauded. All of these gentlemen wore the artificial leg and patent India-rubber foot manufactured by Mr. A. A. Marks, No. 575 Broadway. There were two other gentlemen present, each wearing two of Mr. Marks' legs, having lost their own while in the service of their country.

This walking match originated with Managers Carpenter and Ely, and was superintended by the managers in person, the object being to enable the thousands of legless soldiers to avail themselves of the benefits of a fair trial of the real working merits of the many artificial legs constantly thrust upon their attention.

There are several exhibitors of artificial limbs in the Fair, most if not all of whom are expected to give a sample of the walking capability of their respective limbs at the walking match which takes place this evening at 8 o'clock. A prize will be awarded to the most successful maker.

The "Soldiers Friend" of November, after giving a very general account of the races, &c., closes with the following :

Several other exhibitions took place during the fair. The gold medal was awarded to Dr. Marks. The "Rubber Foot," manufactured at this establishment under special patents, has an elasticity and durability that must make the limb welcome to every wearer. The award of the Committee, after a careful examination, is a high testimonial in its favor.

The following official report and decision of the Judges, speaks for itself :

ARTIFICIAL LIMBS.

The Judges on these important Articles were Professor J. M. Carnochan, Professor J. C. V. Smith, and James Knight, M. D., and after a careful and extended examination and practical testing of the various kinds of Limbs on exhibition, awarded the First Premium GOLD MEDAL to Mr. A. A. Marks, for his limbs with India Rubber Hands and Feet.

No. 559, A. A. Marks, No. 575 Broadway, N. Y. For Artificial Limbs for simplicity of construction and durability. **GOLD MEDAL.**



The above Cuts are Fac Similes of both sides of the MEDAL, awarded as stated in the above report.

There never was before, in all probability, such a thorough test, impartial and searching investigation in every way, and too, by so many eminent persons as composed the Judges and Jurors, *too as it were*, on this very important trial, the result of

which is duly appreciated by the Inventor, and he will continue to maintain this high standing with close attention to the wants of his Patients.

From among the many eminent surgeons who recommend these Limbs to their patients and those who need Artificial Substitutes, will be found in the following letters, which are published by permission :

A. A. MARKS, ESQ.,

NEW YORK, MARCH 20, 1866.

SIR:—I have examined with great care your Patent Artificial Limbs, and cheerfully bear testimony as to the simplicity and efficiency of the invention.

From their peculiar mechanism they perfectly fulfill the purpose for which they were intended, and in my opinion have *no superior* at present in use.

Very respectfully,

JOHN J. CRANE, M. D.,
Surgeon to Bellvue Hospital.

795 BROADWAY, NEW YORK, MARCH 21, 1866.

A. A. MARKS, ESQ.,

DEAR SIR:—I have had frequent occasion to apply your most valuable Patent Artificial Leg, in cases where I have unfortunately been compelled to mutilate my Patients by amputation, and the admirable imitation which your substitute has given of the original Limb, and the perfect satisfaction to the wearer, is the highest possible commendation that I can give it.

LEWIS A. SAYRE, M. D.

Professor of Surgery, Bellvue Hospital, Medical College.

Office of ROBERT S. NEWTON, M. D.,

22 East 18th Street, between Broadway and Fifth Ave.

NEW YORK, MARCH 22, 1866.

A. A. MARKS, ESQ., 575 Broadway, N. Y.,

DEAR SIR:—Having been well acquainted with your Artificial Limbs and various improvements which you have made for the last ten years, and from the great success which has attended the application of your limbs, and the utility of the same, I have no hesitation in saying that their accomplishments have not been surpassed.

The ease and facility with which persons move and walk about, and run as it were, is such, that in many cases the Artificial Limb cannot be detected.

Yours truly,

ROBERT S. NEWTON, M. D.

No. 80 Irving Place, NEW YORK MAY 24 1866.

A. A. MARKS, ESQ.,

DEAR SIR:—I have carefully examined your Artificial Limbs, and believe, because of their simplicity and strength, that they will be sought for by those who may be so unfortunate as to require them.

Very Truly Yours, &c.,

JAMES R. WOOD, M. D.,
Surgeon to Bellvue Hospital,
Professor of Operative and Surgical Pathology,
Bellvue Hospital, Medical College. &c., &c.

The following letters are from persons who are wearing my Patent India Rubber Feet, either applied to my Patent Legs, as I now make and have made them for the last four years, or where applied to Artificial Legs of other makers beside my own.

Every one of them have used other kinds, with the ankle-joints, &c., and now bear testimony from actual *practical* experience of the great superiority of my Patent Foot. I ask you to read them, and then judge for yourself of their merits :

(ABOVE KNEE JOINT.)

NEW YORK, February 28th 1865.

MR. MARKS,

DEAR SIR :—I have used Artificial Legs of various kinds for over twenty years, and flatter myself that I ought to be a good judge concerning all the requirements connected therewith. After using your Artificial Leg, with your Patent Rubber Foot attached, for some six months, I take much pleasure in giving my testimony of the great merits thereof. In point of excellence it far exceeds my anticipation, and you are fully aware that they were not underrated when I first had my attention called to it.

The first great advantage is, that I walk much easier, far better and more natural in every way than with the other legs which I used. I feel safer, and am relieved from that constant care in walking that always troubled me heretofore. It is, in fact, a relief that I never expected to obtain in any Artificial Leg. My very short stump (only four inches from body) prevents me walking as well as those with a better stump ; but this leg seems so much lighter and always so reliable that I cannot well communicate the high estimation in which I hold your new leg with the Rubber Foot. It needs but to be known to be adopted by all sensible people who require Artificial Legs. I would no more think of exchanging this leg for any other that I ever saw, than I would of having my sound leg amputated for the purpose of applying this. Yours, &c.,

F. E. WORCESTER,
No. 537 Pearl St., N. Y.

(ABOVE KNEE JOINT.)

UNITED STATES HOTEL, Scranton. Pa., March 1st, 1865.

DEAR SIR :—It is now over four years since I commenced wearing the Artificial Leg you made me, and one year ago you applied the Patent Rubber Foot to it, and I will say that it has given the best of satisfaction. I like it very much. It relieves me from all care and attention about the foot, and makes me walk much better and easier than before. I fully appreciate the improvement, and as I now have my growth, shall soon order a new one of your best legs, with all the late patents. Yours, &c.,

R. BURY, JR.,
Scranton, Penn.
To A. A. MARKS, 575 Broadway, N. Y.

(ABOVE KNEE JOINT.)

NEW YORK, April 1st, 1865.

MR. A. A. MARKS,

DEAR SIR :—My eleven years experience in wearing an Artificial Leg above the knee has, together with careful observation in examining the various kinds, placed me in a position to speak with knowledge and confidence in your recent improvements. I allude to your patent India Rubber Foot, and also adjusta-

ble and easy accessible knee joint, having worn it for the last year or upwards, with the gratifying assurance of their superior advantages over anything of the kind I have ever seen. No one can fail to recommend it after once giving it a fair trial. Success to your enterprise.

A. STURTEVANT,
Commission Merchant, 52 South Street.

(ABOVE KNEE JOINT.)

NEW YORK, March 29, 1865.

MR. A. A. MARKS :—

DEAR SIR :—It gives me the utmost satisfaction to state that your patent leg and patent foot have met my fullest expectations. I have worn an Artificial Leg and Foot for upwards of twenty years, and found yours beyond comparison the best, and I have used it under the most disadvantages, as my stump is but four inches long. One of its merits is that it completely protects you against falling, and makes the step firm, easy and secure by the admirable arrangement of the Elastic Foot.

What adds to the value of your leg and foot is the perfect simplicity and strength and durability and freedom from liability of getting out of order.

You are at liberty to refer those desirous of obtaining any information upon the matter to me.

Yours respectfully,

JOSEPH TROW,
129 Liberty Street.

(ABOVE KNEE.)

No. 81 WEST TWENTY-EIGHTH STREET, }
New York City, May 18, 1865. }

MR. A. A. MARKS, 575 Broadway, N. Y. :—

DEAR SIR :—Feeling that I owe you a great deal of thanks for your late improvement in Artificial Limbs, and the public (particularly those who are situated like myself—on the stump) an explanation, I send these few lines. First, you are aware of making me a leg in December, 1861, which the Hon. Simon Cameron, then Secretary of War, presented me with, and which I presume was the first Artificial leg worn through cause from the late rebellion. It did me excellent service never having been off a day since I got it.

There is a little military history attached to it: Being with the Ninth Army Corps from after the battle of Antietam up to the taking of Vicksburg ('62 and '63), during which I walked, rode in ambulances, government wagons, on horse, mule and other back. As soon as possible I availed myself of your improvement, and got one of your Patent Elastic Feet attached to it, and oh, what a difference! All that clanking, jarring noise of the ankle-joint, with the trouble of greasing, &c., is done away with.

I walk natural, firm and elastic, with more ease and self-reliance than formerly. In fact, for utility, simplicity and durability, your invention is everything to be desired for the maimed to assume their natural appearance. I have only about four and a-half inches of a stump from the hip, and would say, from what I hear and see, that I do better with an Artificial Leg than most persons so situated. I am proud of your genius and my own appearance, and don't hesitate in recommending your legs to all in need of them, feeling confident that they cannot be surpassed by any now extant.

Yours, &c., JOHN MCKENZIE,
Late First Serg't 79th Reg't Highlanders, N. Y. S. N. G.

(ABOVE KNEE.)

EASTON, PA., July 31, 1866.

MR. A. A. MARKS :—

DEAR SIR :—It gives me sincere pleasure to be able to inform you that the Artificial Limb which you made for me has more than realized your promises and

my own expectations. You are aware that previous to procuring your Patent Limb, I had worn one of Dr. ——— make about six months. I can assert the supremacy of your limb over his in no stronger way than by stating the fact that since I have procured yours, I have not worn that made by Dr. ——— a single day.

Your limb gives a more elastic, springy life-like motion to my step, removes the clattering noise incident to the use of the ankle joint, and fits the stump much more comfortable, the knee joint too works still, and admirably, and just as good as new, yet I have given it some severe trials. I have walked seven miles in one day, which I think is pretty good for a Leg above the knee.

After having examined most of the Artificial Limbs in this country, I pronounce unhesitatingly in favor of yours, both for durability, usefulness, comfort and appearance. Yours, respectfully,

(NOTE.) This gentleman prefers to not have his name appear here, but the publisher is at liberty to give it to any individual who wish it.

(FROM A LADY WEARING A LIMB WITH AMPUTATION ABOVE KNEE JOINT.)

NEWBURG, OHIO, May 2, 1866.

MR. MARKS:—

KIND SIR:—I now take pen in hand to inform you of the Artificial Limb I received from you a few months ago. It has proved perfectly satisfactory. I walk with ease, and am not in dread of attracting the attention of everybody I meet in the street. I have had two limbs before this one — the first one weighed 16 lbs., I could not even carry it, the next one was a perfect rattle box, the ankle joint was a perfect nuisance, always getting out of repairs. The one I have now is a gem, this is not creaking, or groaning, or rattling with every step, the elastic foot is *charming*, I am much pleased with it, and can safely recommend it to any one. I walked two miles the other day, with very little fatigue, and I have no doubt but I could have walked another two miles, if any occasion had required it. I could not walk a quarter of a mile with the other one, but I would be completely tired out. Please accept my heartfelt thanks for the benefit I received from your Patent Artificial Limbs.

Truly yours,

MRS. MARY JANE NUTT.

(FROM A LADY WHERE AMPUTATION IS ABOVE KNEE JOINT.)

BRIDGEWATER, CONN., March 27, 1865.

MR. A. A. MARKS:—

KIND SIR:—With the greatest pleasure I write to you in regard to my Artificial Leg, which I have now worn constantly for a year and a half. It is a great improvement over my old one that I used before.

I walk so much easier and feel a relief that was never anticipated by me before, requiring no attention, no foot springs to break no heel cord to replace. In fact it is the very model of simplicity and durability. The Elastic Foot enables me to walk so still and natural that none know me by the sound of my step as formerly. Your Patent adjustable Knee Joint, together with the Rubber Foot is in my case a perfect success in every respect, and I wish you every success with it, as well for the unfortunate, like myself, as for your own benefit.

Yours, truly,

ANGELINE CARPENTER.

(FROM A LADY WEARING KNEE-BEARING LEG.)

NEW YORK, September 18, 1865.

KIND SIR:—I find by looking back that it is now nine years since you supplied me with an Artificial Limb, and over a year since you applied your Patent Rubber Foot to it, and I must say that it has given me not only the best of satisfaction, but at the same time has produced a degree of relief impossible for me to describe in words, and I think no one can fully realize your improvements without actual experience. I am now about as careless in placing this foot in walking as I am my sound one, and feel as safe in going up and down stairs as I did before losing my natural limb; but added to all these advantages is the removal of that jarring, clapping and unpleasant sound of the old wooden foot, and the attention in keeping it in order. My husband is wearing one of another make, and he thinks he will have to get one from you, or a rubber foot on his old one, in order to walk with me, although he has much the advantage in facilities for using one.

Yours truly,

MRS. MINNA DEITZE,
246 West 30th Street.

(BELOW KNEE.)

COCHECTON, SULLIVAN COUNTY, }
NEW YORK, March 14, 1865. }

MR. A. A. MARKS:—

DEAR SIR:—I have worn your Patent Leg for the last year. I am well pleased with it. It has not required the least repairs. I can walk better with it than any leg I ever used *except the natural one*.

I consider your India Rubber Foot a valuable improvement to Artificial Legs.

Respectfully yours,
W. L. APPELY, M. D.

(GENTLEMAN WEARING TWO BELOW KNEE.)

PLAINFIELD, N. J., March 18, 1865.

DEAR SIR:—After a long and thorough trial of your Patent Legs with the Patent India Rubber feet, I feel it my duty to write you a few words in regard to their several advantages over the old ones with the moveable ankle-joints, which I once considered the best there was. In the first place, I walk much easier on these, which is of itself an important improvement, and I walk better (more natural), my gait being elastic, and still, none of that *clump* and clatter that arises in the old loose ankle-joints, with spring cords, &c., &c.; and then, too, I feel that degree of reliability that was not to be found in the old ones, making in all these a great change for the better. But added to these is the great expense saved in repairs, &c. The trouble of greasing and taking care of the many little things about the feet is all done away with. It is a great relief, of which I could not appreciate had I not used those of the old kind.

You are at perfect liberty to refer any one to me. Tell them that I have lost both of my legs, just below the knee, one stump but $2\frac{1}{4}$ inches below the joint, yet walk anywhere with but one cane, and often without any, and defy any one with stumps no better than mine to walk better than I do.

Yours truly,

FRANK STEWART,

Plainfield,

Union County, N. J.

(Removed to New York City.)

To MR. A. A. MARKS, 575 Broadway, N. Y.

(GENTLEMAN WEARING TWO ARTIFICIAL LEGS BELOW KNEE.)

WATERTOWN, CONN., May 15th, 1866.

MR. A. A. MARKS :—

SIR :—According to promise. I take this opportunity to tell you, that the Legs you made for me, are far better than I expected. I think they cannot be beat. I have worn two Artificial Legs over eleven years. I first tried ————— they did very well, but yours go far ahead of them. I will lay a wager, that I can walk three or five miles with any man of my age, with one natural Leg ; he may wear for the other what he pleases, except yours.

I can carry a pail of water in each hand now, and do almost anything that anybody can that have two good natural Legs. I want nothing more to do with the old fashioned ankle-joint rattle traps about Artificial Legs, so long as your stiff ankles with the Rubber Feet can be obtained.

Very Truly Yours,
S. B. PRITCHARD.

(BELOW KNEE.)

BROOKLYN, N. Y., September 28th, 1864.

MR. A. A. MARKS, 575 Broadway, N. Y. :—

DEAR SIR :—You inform me that you are about to publish a list of testimonials in regard to your Patent Leg with the Patent Rubber foot, and now let me say that it is with the greatest pleasure that I accept your invitation to bear witness of what I consider the greatest improvement yet made in this line of art. It is now two years since you applied my Rubber Foot, and it has seen hard usage too, but stand the knocks first rate. My business, you are aware is very trying to an Artificial Leg (ship carpenter). Being much of the time placed in various and cramped positions, and also much in the water, enables me to test its strength and usefulness as much as any one you have wearing them. I find it far surpasses my old leg, that I have worn for some four or five years, in every respect of real merit. Its firm and elastic movements, together with its ever reliability, makes me so careless that I often forget that I have on an Artificial Leg at all, it being such a relief from the old one. Of its durability, there can be no doubt but it surpasses everything yet invented ; but even if it required replacing by a new one every three months I would not exchange it for any other kind. It would then be cheaper than many of the others. Nothing would induce me to go back on the old leg so long as this is to be had at any price. If it was no better any other way, it would be cheaper to the wearer even if you charged twice what you do now.

I shall take much pains to recommend them in all cases where I meet with brothers in this misfortune.

Yours, &c.,
HENRY AUZBERGER.

JERSEY CITY, N. J., March 12, 1866.

To all whom it may concern :—

Having been a soldier, and having lost my leg on the battle-field, I was supplied with an artificial one, at the Government's expense, by —————. It soon became broken and destroyed and completely out of order at the ankle-joint and having heard of Mr. Marks' Patent India Rubber Foot, I had one applied, which I have now worn for over one year, and it is just as good as when it was first applied. Being now so well acquainted with its many advantages, I would on no account whatever exchange it for the other foot, I walk so much easier and better ; and then the great saving in cost and repairs makes it far preferable in every respect.

THOMAS GIBSON.

(BELOW KNEE.)

NEW YORK, May, 1866.

DEAR SIR:—After using your Patent Leg for over three years, with the Patent Rubber Foot, it gives me much pleasure to record my testimony in its favor. My experience of over four years while wearing Artificial Legs of the old style, enables me to more fully appreciate this invention of yours. You know I had high anticipations of its advantages before trying it, but I assure you that my ideas relative to its superior qualities were far below the just standard. Very few are so hard upon legs as I am, for my weight is just 180 pounds, and my business (book binding) requiring me to be on my feet constantly, and also to do heavy lifting carrying weights, &c., and in many other ways thoroughly testing its strength. I walk a great deal more now than when I used the old plan of leg, which is a leading and very important feature. Elastic and reliable, no clapping down of the toes, no clatter or unpleasant noise while walking, and I think as a leg it has no equal. Nothing could tempt me to exchange mine for any other invention or patent that I have seen or heard of, and I have seen, I may say with strict regard to truth, nearly every one of any note whatever.

I frequently attend balls, parties, &c., and dance as long as most of them, and no one but those who know I use the leg even suspect such a thing. To do you justice I could not commence to fully enumerate its many superior qualities.

WM. WORTS,

Of the firm of Baker & Worts, 22 Vesey St., N. Y.

(BELOW KNEE JOINT.)

MORRISANIA December 11, 1865.

MR. MARKS:—

DEAR SIR:—Let me bear testimony of your Patent Leg with Rubber Foot. Having used it now about a year or thereabouts, and also having used that with the old, always-annoying and tormenting ankle-joint, gives me the chance to speak from experience, and I can safely say that it is a thousand times better, and I would not on any account think of going back and wearing the old kind. I can now dance, skate, or do anything far better and easier than I could with the old leg. It is the right thing, and no mistake.

Yours truly,

S. ELDRIDGE, JR.

(BELOW KNEE JOINT.)

NEW YORK CITY, Oct. 10, 1865.

MR. A. MARKS:—

DEAR SIR:—My wife walked so much better with her Artificial Leg with your Patent Rubber Foot, that I concluded to have my foot removed from the leg made me by —————, and have one of the Rubber Feet applied, and can now say that I am very much pleased with the change, and want no more to do with any of the confounded complicated and clattering wooden feet with their usual fixings. I will walk with anybody now without fear of detection or hardy suspicion; and when myself and wife walk out together, we are not watched as if we had a music-box in our shoes, or some crazy machine of some kind about us, but go along still and comfortable like other people, without its being suspected that even one of us is walking on Artificial Limbs, *when truly both are*. We can both say that your Rubber Feet assist us very much in concealing our misfortune, and our experience tells us that to try to walk on the old kind with ankle-joints, &c., &c., would now be like trying to walk backwards.

Truly Yours,

WILLIAM DEITZE,

246 West 30th St., N. Y.

(BELOW KNEE.)

A. A. MARKS, Esq. :—

DEAR SIR :—It may seem strange of me to be so long without letting you know what I think of your Artificial Leg, but when I purchased the Leg I heard you say that you did not want a testimonial from any of your patients until they had given the leg a fair trial, and give it then upon the merits of the leg. I have taken you at your word, and now I consider your Artificial Leg to be the best one invented at the present day. In the first place, there is no fear of the foot coming off on the street, as is very often the case with those ankle-joint legs. Yours is all in one piece from the knee down, and fits on the leg as if it grew there. When I am traveling on the street I feel so much at home upon it, I sometimes forget that I have lost my natural leg. They may all talk about Artificial Legs having side motion and other mystified motions. What people say in that respect is very true, because it will keep the poor fellow that wears it in continual motion. Every step he gives he thinks it is going to be his last.

Your India Rubber Foot gives all the motion that a natural foot will require while traveling over an uneven surface. It is the cheapest and most durable, because there are no joints about the foot to get out of order, therefore it will not need repairing. I would honestly recommend all those who are so unfortunate as to need the like, to get one of your Artificial Legs.

Truly Yours,

JAMES MALONEY,

Corner Kent and Flushing Avenues.

BROOKLYN, July 23, 1865.

(BELOW KNEE, WITH ONLY 1½ INCH STUMP.)

BRIDGEPORT, CONN., Aug. 2, 1866.

MR. A. A. MARKS :—

DEAR SIR :—Having used one of your Patent Artificial Legs with Rubber Foot for some time, and having given it a fair trial, can say that I am much better pleased with it than with the one I had made for me by Mr. ————, with the ankle-joint, as I find it more firm and better in every respect, and cheerfully recommend it to all in need of a Limb, as I think it far preferable to any other I have ever seen.

Respectfully yours,

ROBERT MARTIN,

Late of Co. G, 9th Reg't N. Y. S. M.

(BELOW KNEE.)

MORRISANIA, August 3, 1866.

MR. MARKS :—

Nearly two years of hard work upon the Artificial Leg you made, tells me together with the eleven years experience that I have had on Artificial Legs of different kinds, that your Leg with the Patent Rubber Foot is just the thing for a man that works as I do, (R. R. Car Builder) and has no equal as far as my knowledge extends, essential to the ease, comfort, utility and cost of these necessary substitutes for lost limbs.

Yours Truly,

JOHN H. MARKHAM.

(BELOW KNEE.)

LIVERPOOL, MEDINA COUNTY, OHIO, Sept. 30, 1866.

MR. A. A. MARKS:—

DEAR SIR:—As regards my Limb you made for me, I can inform you that it works first rate, and I would not have any other Foot on an Artificial Leg on any account whatever. it works to a charm. there is no rattling of joints, no pulling to pieces to oil. &c., &c. Just the thing and can't be beat in my opinion and I think I am somewhat of a judge. for I have used an Artificial Limb for twelve years, and three different kinds, and must say that your Patent with the Rubber Foot is far the best I have ever used or seen.

Very truly yours,

E. A. TILLOTSON.

The following letters are from persons who have worn none other than the Patent with the Rubber Feet, consequently are not able to appreciate the great advantages they possess over the other kinds from actual experience, but the reader will see what they think of them, and can judge accordingly :

(BOTH LEGS AMPUTATED BELOW KNEE.)

MINONK, WOODFORD COUNTY, ILLINOIS, January 17, 1866.

MR. MARKS:—

MY DEAR SIR:—In regard to my Artificial Limbs, I can inform you that I am more than pleased with them. When I lost both of my feet away in that Southern Prison, I felt that I would not care to live when I thought of the helpless and sedentary life that I would be compelled to live; but thanks to your valuable inventions by which I am enabled once more to walk on terra firma, and with restored health. I feel as if life was yet a boon.

If you could have seen me to day gone out to the stable. harnessed the horses and get into the Buggy. and drive off. you could not have believed it was the poor crippled soldier you saw carried into your office in his nurse's arms. I feel quite satisfied with my choice in selecting yours, as I do not believe they can be surpassed in what constitutes real merit in Artificial Limbs, and I shall recommend them to all my unfortunate friends.

Yours very truly,

JOHN W. JANUARY.

Late Private Co. B, 14th Reg't Illinois Vols.

(BOTH LEGS AMPUTATED BELOW KNEE.)

NEW BOSTON, NEW HAMPSHIRE, May 10, 1866.

MR. A. A. MARKS:—

DEAR SIR:—Nearly a year has passed since you fixed me up upon my legs again and it occurs to me that my case being rather an extraordinary one, you would like to give it to the public through your Pamphlet.

When I decided to take your Legs from the Government, I had examined all the various kinds that the Government had adopted, and concluded to take yours for the reasons which I will give.

Having been in the Hospital for some time, I had seen many soldiers who had been provided with Artificial Limbs, and witnessed the many troubles and annoyances as well as expenses to which they were constantly subjected in most kinds of Limbs, and saw that your Patents was clear from all these tormenting trials, and at the same time discovered that your Patients walked with more ease and comfort and natural step than the other kinds with their clattering ankle joints. My experience has only added to the high opinion I formerly had gathered of your Limbs.

My weight is over 200 pounds, and although both Legs are now Artificial, I can do almost everything that I formerly could, can take a pail of water in each

hand, and walk off readily, and do work generally required about the farm, and expect to mow and do other kinds of farm work this summer. I earnestly advise all my unfortunate friends to purchase your plain, substantial, and *always* reliable Patent Limbs.

Yours very truly,

CALVIN BATES,

Late Corp'l 20th Reg't Maine Vols

(BOTH LEGS AMPUTATED BELOW KNEE.)

CARLYLE, CLINTON COUNTY, ILLINOIS.

DR. A. A. MARKS :—

DEAR SIR :—Understanding that you contemplate issuing a new and enlarged Pamphlet, descriptive of your admirable Artificial Limbs, and their Practical use, I embrace the opportunity to forward to you my testimony as to their utility. For six months I have been using two of your Artificial Legs, with Rubber Feet, and I unhesitatingly pronounce them to be the very best Patent now before the public, they fit to the stump of the Leg with perfect neatness, are worn with ease and comfort, and are in my opinion as near a resemblance to nature as it is possible to manufacture. Hoping this may enable others to avail themselves of your invaluable invention, and experience the benefit thereby that I have.

I remain, gratefully, your obedient servant,

BENJAMIN F. DAUGHTERY.

Late Co. K, 31st Illinois Infantry Vols.

FAYETTEVILLE, N. C., 1st May, 1866.

A. A. MARKS :—

DEAR SIR :—Having tried the Artificial Limb procured of you, for nearly a year, I feel as if justice demands me to give my testimony to its worth, and believe me, Sir, I do this cheerfully. I have had it in constant use during the time mentioned, and am in every way perfectly satisfied with it.

Mine has not in the least troubled me, is perfectly easy, and in appearance is quite natural, nor is it like others I have seen, liable to get out of order. Before procuring yours, I examined the Limbs of several manufacturers, and I saw none that pleased me so much as yours, nor have I yet changed my opinion. There may be better, (*which I doubt*.) but yours is good. I desire no better, and am satisfied that a trial is all that is required to bring your manufactures into general use, with all who are so unfortunate as to require them.

Very respectfully,

WM. T. TAYLOR.

NOTE.—It will be observed that the names of other makers alluded to in the letters published herewith, are left blank, this is done, not by the desire of the writer, but as the publisher does *not* wish to disparage the work of any Competitors in this calling by this publicity, (no matter how high or how low their standing may be) thus keeps their names from the many thousand readers of this pamphlet, but in consideration of his duty to himself and to those who feel themselves victims of having a troublesome and unreliable substitute fastened upon them by the adroit exhibition of highly finished frail *jumping jacks*, in shape of Artificial Limbs as embellished by ingenious and fascinating words, will not refuse to give these names to individuals when privately requested, neither will he conceal the numerous and various specimens of Limbs left at his office by those who have renewed their *understandings* upon a firm, reliable and more satisfactory basis.

ARTIFICIAL ARMS.

The following letters, from distinguished gentlemen, speaking as they do from *actual* experience, will be sufficient testimony as regards the true merits of my Patent Arms:—

From Hon. Ira Buckman, Jr., Member of Assembly.

(ARTIFICIAL ARMS.)

MR. A. A. MARKS:—

DEAR SIR:—It was my unfortunate lot, in the month of May, 1863, to meet with an accident by which the amputation of my right arm became necessary. After being confined to my bed and room some eight months from the loss of my arm and other injuries received at the time, I was permitted to take a position with that large but un fortunate class of my fellow-beings, who, like myself, have lost a limb, and must be what is commonly called a *cripple*, the balance of our sojourn here; yet, with all the fearful forebodings that are forced upon the cripple's mind, there is yet a "balm in Gilead." What the beacon light is to the homeward-bound mariner, are A. A. MARKS' Artificial Limbs to the unfortunate. To think that he can again pass in mixed assemblages of his fellow-citizens without being gazed upon or pointed at, or, what is still worse, to hear that harsh, but oft-repeated exclamation, "There is a cripple!"

I have not only worn your Artificial Arm, but have shaken hands with a gentlemen and his wife, both of whom called on me repeatedly when my arm was amputated. Neither of them discovered that they had been shaking an Artificial Hand, nor did some dozen other intimate acquaintances recognise it, forgetting for the time being, from its natural appearance, the loss of my arm.

Your Artificial Limbs need no eulogy from me. They only need to be seen and applied to be appreciated by the unfortunate.

As a mechanic, it might be well to ask the question, Where are the weak points in your limbs? After a careful examination I fail to find even one; so compact, so light, so simple of construction, and yet so well calculated to perform all the various functions that art can do for which they were intended, that further remarks from me seem necessary.

Very truly yours,

IRA BUCKMAN, Jr.,

No. 96 South Fifth Street, Brooklyn, E. D., N. Y.

(ARTIFICIAL ARM.)

HEADQUARTERS 43D REG'T U. S. COL'D TROOPS. }
IN THE FIELD, RICHMOND, VA., April 8, 1864. }

A. A. MARKS, Esq.:—

DEAR SIR:—I have been wearing the Artificial Arm which you made for me last February, ever since the first day I got it, with the very best of success. I think it is the best arm made for utility and convenience, for the reason that it is so simple in construction. It will never get out of repair, because there is so little machinery about it, and to all who wish to get an arm that has practical utility as well as neatness, I would certainly recommend your patent.

Yours respectfully,

S. B. YEOMAN,

Colonel 43d Reg't Col'd Troops.

(ARTIFICIAL ARM.)

SHERWOOD, CATUGA COUNTY, }
New York, May 7, 1865. }

DEAR SIR :—I sent myself to inform you how I am getting along with my Artificial Arm, which you made me. Really, I am doing so well with it that I don't know in what particular point to speak. I am at work on the farm, as I used to before the war, doing all kinds of work, such as plowing, sowing, and everything. In fact, your hook arrangement is just the thing for a farmer, and I do so much more with it generally, that it more than gives *good* satisfaction.

Truly Yours,

BENJAMIN F. GOULD,

Late Private Co. I, 3d New York Vols.

I have many more letters, but they only repeat what has been here stated, and of course it would be useless to publish them, but will herewith print a short list of persons who are now using my *patent*, and many of these too have used the old kind. You are at liberty to inquire of or correspond with any of them in regard to their merit; and should you wish to see some one wearing one of my patent (where none of these are convenient) you can address the inventor, asking references nearer your home, and in all probability you can be at once referred to some one who can *show* as well as tell you the advantages gained in these limbs. They are in use all over the country, and many persons are ready and glad to show them or speak of their qualities in a private way who are not willing to have their names appear in a public print, *especially ladies and young men*.

Theodore R. Willsey, Rawsonville, Loraine County, Ohio.
Morris Force, Plainfield, New Jersey.

John S. Bowne, 50 Summit Street, Brooklyn, N. Y.

Patrick McCarthy, Mount Prospect Hotel, Flatbush Ave.,
Brooklyn, N. Y.

John H. Mebus, Easton, Pa.

Michael Vaughn, Greenbush, Rennslaer County, N. Y.

Dr. Albert Barnaby, corner Nostrand and De Kalb Aves., Brooklyn, Long Island.

Richard Kerrigan, Westport, Conn. (Lost both legs.)

Warren Baker, Charleton, Worcester Co., Mass.

George Hammer, Paterson, N. J. Late First Sergeant Co. C, New York Vols.

B. N. Lapman, Rutland, Vermont.

Phelix G. Bush, Platte City, Missouri.

D. B. Walkington, Belfast, Ireland.

John Fitzgerald, Oxford Depot, Orange Co., N. Y.

Alexander Crist, Marysville, Union Co., Ohio.

Duncan Everts, Athal, Warren Co., N. Y. Late Private Co. I, 142d N. Y. Vols.

Walter S. Kane, Prairie Du Chein, Wisconsin.

R. W. Smoot, Richmond, Va.

Charles Herrmann, Milwaukie, Wisconsin.

Geo. F. Dressoir, Watertown, Jefferson Co., N. Y.

Amos H. Drake, Waverly, VanBuren Co., Michigan. Late Private Co. C, 13th Reg't Michigan Vols.

Joseph C. Stephens, Bloomfield, Essex Co., N. J.

Mark D. McCord, Bedford, Westchester Co., N. Y. Late Corporal Co. A, 4th Reg't N. Y. Artillery.

George C. White, Susquehannah, Susquehannah Co., Pa. Late Private Co. F, 144th Reg't N. Y. Vols.

George Grant, Rockdale, Schenango Co., N. Y. Late Private Co. K, 161st Reg't N. Y. Vols.

John C. Beebee, Centreville, N. J.

P. H. Ward, Marion Court House, South Carolina.

J. C. Switzer, Iowa City, Iowa.

John Fitzgerald, Oxford Depot, Orange Co., N. Y.

John Williams, Plattsburg, Clinton Co., N. Y.

H. E. Jones, Mobile, Alabama.

The Press has spoken of these Limbs in flattering and very complimentary terms on many occasions, but find room only for the following articles at this time:

ARTIFICIAL LEGS ON SKATES.

[The following communication is handed in by a friend, in whose knowledge of the facts we have full confidence. We have frequent inquiries in regard to the manufacturers of Artificial Limbs, and we deem any facts in relation to them interesting to disabled men. We witnessed the walking match referred to by our correspondent, and from the testimony of those who have used both the Ordinary Limbs and the Rubber Foot, we imagine that the latter would become a favorite.—ED. SOLDIER'S FRIEND.]

The time has not long passed since it was considered a wonder to see a person walking with apparent ease upon one Artificial Leg, but when an unfortunate fellow who had lost both of his propellers was enabled to walk, even with two canes, it was thought so remarkable that few would believe it without witnessing the feat with their own eyes. But we have recently seen something far exceeding this in novelty and success. We saw a young man *skating* leisurely along on the Central Park Lake, with both hands in his pockets, and without any assistance of staff or cane. It is true he did not carve out, with exquisite neatness and precision, an elegantly spread eagle, neither did he leap over the heads of his fellow skaters, but his movements were easy and graceful, and no one would suspect any thing unusual, except that he might be a beginner. This was really the case, as he had then put on skates only a few times. Our attention was called to him by some one who knew him personally, or we should not have thought that among that vast throng there was one who sought the merry sport upon *two wooden legs*. We should not call them wooden, for the quiet skater was no less a personage than Mr. Frank Stewart, who wears the Artificial Legs with Rubber Feet, invented and manufactured by Mr. Marks, 575 Broadway, in this city. Mr. Stewart ran, or walked, the race at the Fair of the American Institute last year, and made the unprecedented time of half a mile in nine minutes, with no assistance whatever, and was still anxious to proceed, declaring he could make the next half mile in the same time, but was prevented by the crowd.

The Gold Medal for Artificial Limbs, was awarded to Mr. Marks, at the American Institute Fair, 1865.—*Soldier's Friend*, January, 1866.

ARTIFICIAL LIMBS.—In another column of this paper the reader will find an advertisement under the above heading. These Artificial Limbs are the invention and manufacture of A. A. Marks, Esq., of No. 575 Broadway, this city. We have seen some of these limbs, and examined the peculiar simplicity of their construction; we have also seen them in practical use, and have been truly astonished with the naturalness and grace with which they walk. They remind us of the great advance made in the steam-engine, by being shorn of its former and many complicated parts to its present simple and improved condition. Mr. Marks dispenses with the *ANKLE joints* in his legs and its complications, by substituting a foot made mostly of *India Rubber* of a very tough, elastic and desirable character, thereby giving the wearer a more *reliable, natural and perfect* limb than we have heretofore ever seen.

At the fair of the American Institute last year, there was a very spirited contest for the Gold Medal, to be awarded to the inventor of the best limb, and although there were many contestants, Mr. Marks' limbs carried off the prize.

Mr. Marks is a *pioneer* in this line of *art*, having been engaged in his profession for the last fifteen years, and after much study and many experiments, has attained to those special improvements, which he patented some *four* years since. The government sometime since adopted his limbs, thus enabling our heroic soldiers who have lost their limbs in defence of their Country, to secure them free of charge.

We have given these inventions more than a *passing* notice, as we think they effect *important* changes and improvements in the construction of implements for the relief of our unfortunate fellow beings, and more especially as they emanate from one who has labored for many years in this branch of a noble work, and whose present standing as an *inventor* and *gentleman* needs no further recommendation at our hands.—*New York Dispatch*, September 16, 1866.

From the American Eclectic Medical Review, Aug., 1866

MARKS' PATENT ARTIFICIAL LIMBS.

These Limbs are beyond all question the most simple and perfect ever made, and their indorsement by the American Institute at its last Annual Fair was but a just tribute to their unquestionable excellence. The principle of the India Rubber Feet and Hands *is the true one*; and the remarkable skill and extensive experience of Dr. Marks in this branch of surgical appliances is unexcelled in this country OR THE WORLD!

We recommend Marks' Artificial Limbs—unqualifiedly—to *all* surgeons and to *all* who may require the aid of such appliances.



P R I C E S .

| | | |
|--|-----------|----------|
| For Artificial Legs, applicable to any usual point of amputation, either above or below knee joint | - - - - - | \$100 00 |
| Artificial Arms, for cases where amputation is above the elbow joint | - - - - - | 75 00 |

| | |
|--|--------------|
| Where below, and stump of sufficient length to | |
| use the elbow joint - - - - | 50 00 |
| For applying Rubber Foot to other kinds | |
| of Legs - - - - - | \$15 to \$20 |
| For applying Rubber Hand to other kinds | |
| of Arms - - - - - | 10 to 15 |

Payment is required with the order, or if the party prefer, they can pay half in advance, and the balance when the Limb is completed.

Parties at a distance who object to remitting the whole amount with the order, and desire their Limbs sent to them by Express, can pay the balance on delivery of the Limb, providing they will pay the trifling extra expense of collecting. Being aware that some persons object to thus pay for a Limb, before receiving it, they should bare in mind that this is an article made EXPRESSLY to order, and if not taken by the person for whom it is made, it is a great chance if it fitted one in a hundred other applicants whom it was not made for, thus is readily seen the necessity of advance payment, or part of it at least, at the same time the Patient can rest confident of just as good a Limb and just as good a fit as they could were no payment made until after the Limb was delivered, and in case any mistake or bad fit occurs, the maker holds himself strictly responsible for any deficiency in this respect caused by his own or workmen's mistake or carelessness, and will remedy them without extra charge whenever they occur, which is very seldom.

It is best to remit by draft, payable to order, or by postal orders, or if either of these are not convenient, then by Express.

Persons coming from a distance and waiting for their Limbs to be fitted and finished, will receive *particular attention*, and not be humbugged by being detained on expense unnecessarily. Two days is as long as they are generally required to wait, where the order is given in advance, yet sometimes three, but never over that time, unless by some unavoidable and unexpected cause.

STRONG & ARMSTRONG, Druggists, 199 Superior St.,
Cleveland, Ohio.

DRS. HATTON & SIMMONS, Druggists, Augusta, Ga.

J. H. ZEILIN & CO., Druggists, Macon, Ga.

Are Agents to receive orders and take measures for Artificial Limbs.

Samples can also be seen at the above named places.

OMISSION.

Among the many advantages gained by the Rubber feet over the Wooden or hard, and non elastic kind, one very important one has been omitted *in its proper place*, which is the great saving in Stockings, as the Rubber feet does *not* wear out stockings any faster than the natural feet, while the wooden and hard feet are well known to wear out full ten to the natural feet one, a matter of consideration to *some* persons if not to *all* who are required to wear Artificial feet.

D I R E C T I O N S
TO
PERSONS WISHING TO PURCHASE LIMBS.

Write me a full statement of your case, stating the precise (as near as convenient) point of amputation, condition of stump, and time of amputation, and you will receive a blank, giving directions how to take the measures, &c., (free of charge), and any information asked for. This should be done before taking a journey to the manufactory, as in many cases the journey is avoided, by having the limb fitted from the measures without the party coming to the manufactory at all, a very desirable consideration to many where means are limited, or the distance far to travel.

Address,

A. A. MARKS,

575 Broadway,

New York City.

It is very important that the Patient observe great care in treating the stump, move the joints freely to prevent contraction and preserve the natural motions. Keep it well bandaged from the end upward, in order to reduce and solidify the flesh as much as possible, as it secures a better and much more perfect fitting limb, and renders it more useful and satisfactory.

Artificial Limbs Made from Measures.

It appears, from the great number of letters constantly received in relation to supplying Artificial Limbs from measures, without the presence of the patient, that the subject relative to this matter is not sufficiently definite in other pages of this pamphlet. FULL ONE-THIRD of the limbs I make are made from measures and drafts sent by mail, without my ever seeing the persons they are for, and with nearly the same certainty as when fitted to the persons here at the manufactory.

If the measures are not correct the defect is very likely to be discovered as soon as examined, and in such cases another blank is immediately sent to the patient, requesting new measures, and when received are compared with the first measurements, and the errors are most sure to be discovered, and thereby corrected. Persons cannot be too careful in taking measures, and they cannot well make mistakes if they adhere STRICTLY to the directions which are PLAINLY stated upon every blank.

The great saving of time, *and money, too*, in thus obtaining a limb without a long and tiresome journey is too well understood to need any allusion. Bear in mind, however, that it is preferable to have the patients present, and if they chose to travel one or two thousand miles, rather than send their measures and receive their limbs by express, upon the terms heretofore stated, it is also our choice. There are some cases, where amputation is performed at and below the ankle-joint, that cannot be fitted from measures with safety, but they are very few, *and ought to be less*; but all usual amputations are included in this article, the success of which is easily obtained, for many of the persons referred to who reside at a great, and some at a comparatively small distance (*less than 500 miles*) are thus supplied.

SOLDIERS AND SAILORS

Who have Lost your Legs in the Service of our Country,

The United States Government have, through Congress, the Surgeon-General of the U. S. A., and a board of medical officers appointed for that purpose, selected my Patent Artificial Legs for your use, and authorized me to furnish them to *you*, FREE OF CHARGE, *should you so select*; and I will here say that the trust shall be honored on my part. You shall be served with all the care, attention and ability that can be bestowed upon any one, and also with as much dispatch as possible; and where any of you have received your government Leg of other makers, and it fails to be satisfactory, due consideration will be made in regard to price in view of your obtaining a new and more reliable Limb of my invention and manufacture.

You are respectfully invited to examine my Limbs, or correspond with those wearing them, and use your own judgment of their qualities, and *govern yourselves accordingly.*

A. A. MARKS,

575 Broadway, New York,